

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **57-156541**

(43)Date of publication of application : **27.09.1982**

(51)Int.CI.

G01N 19/10

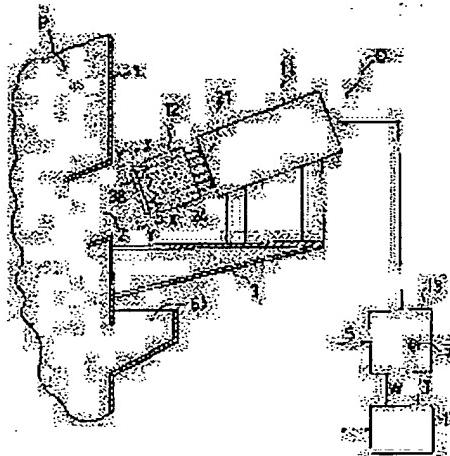
(21)Application number : **56-041881**

(71)Applicant : **ONODA CEMENT CO LTD**

(22)Date of filing : **23.03.1981**

(72)Inventor : **SONE NORIAKI
SHIROKUNI SEIJI**

(54) MEASURING DEVICE FOR MOISTURE CONTENT IN POWDERY AND GRANULAR MATERIAL LAYER



(57)Abstract:

PURPOSE: To make stable measurement of high accuracy possible by providing an insertion cylinder like a bottomed cylinder by facing its opening part to an accumulated body of powdery and granular materials and inserting this insertion cylinder selectively into the accumulated body.

CONSTITUTION: A measuring hole 2 is formed to the side wall of a metering bin 1 in which powdery and granular materials P are accumulated. A frame 3 is projected from the outside surface near the hole 2 of said side wall, and a part of a measuring device Q for moisture content of this invention is fixed on this frame 3. An insertion cylinder 24 like a bottomed cylinder is provided opposite to said hole 2, and this cylinder 24 is inserted selectively into said accumulated body by a back and forth driving device 11. A pressure sensor 42 is provided in the cylinder 24, and the extent of the movement for insertion is controlled by this, whereby the density of the accumulated body is made constant at all times and the stable measurement of high accuracy is made possible.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

[rejection]

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office